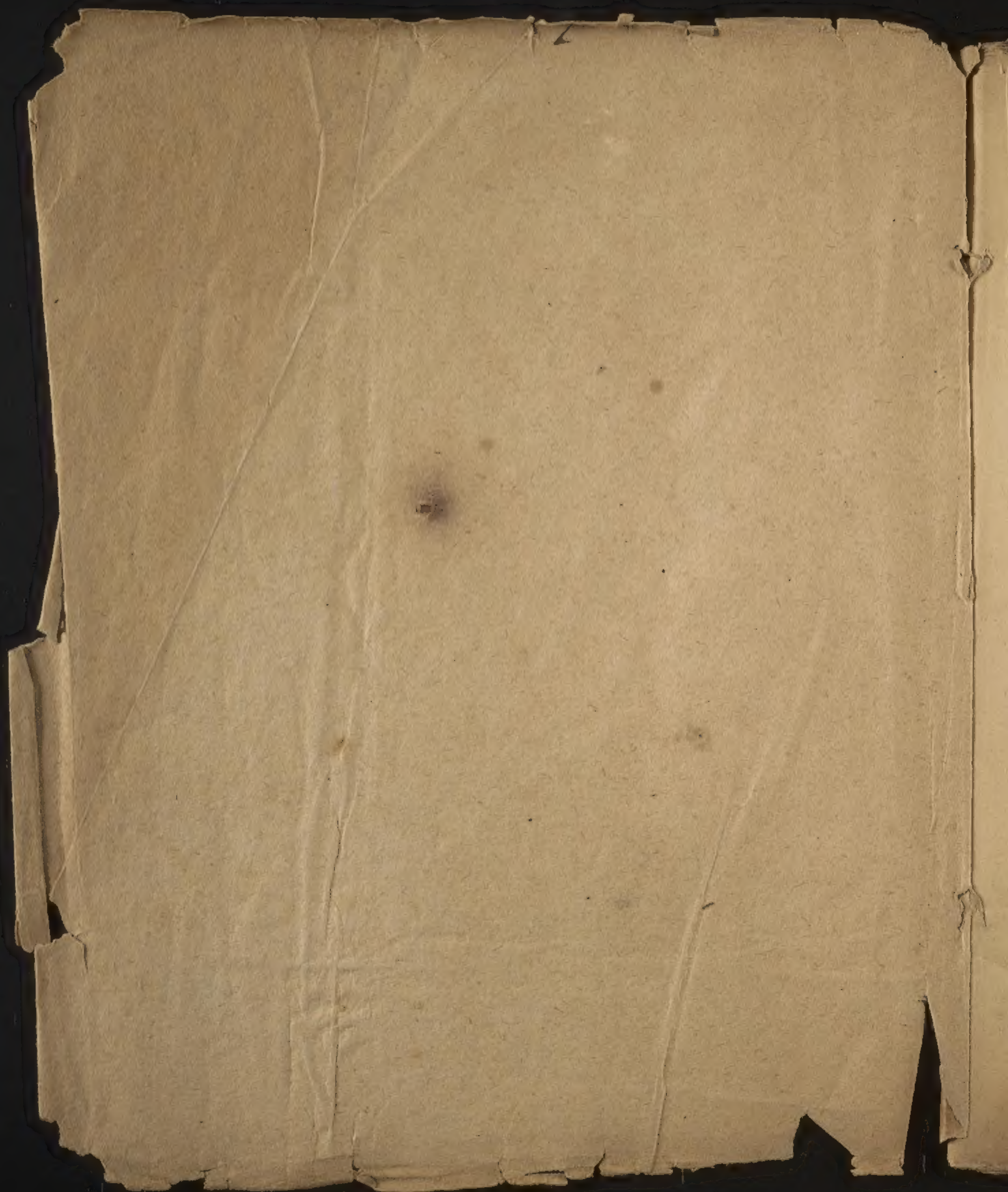


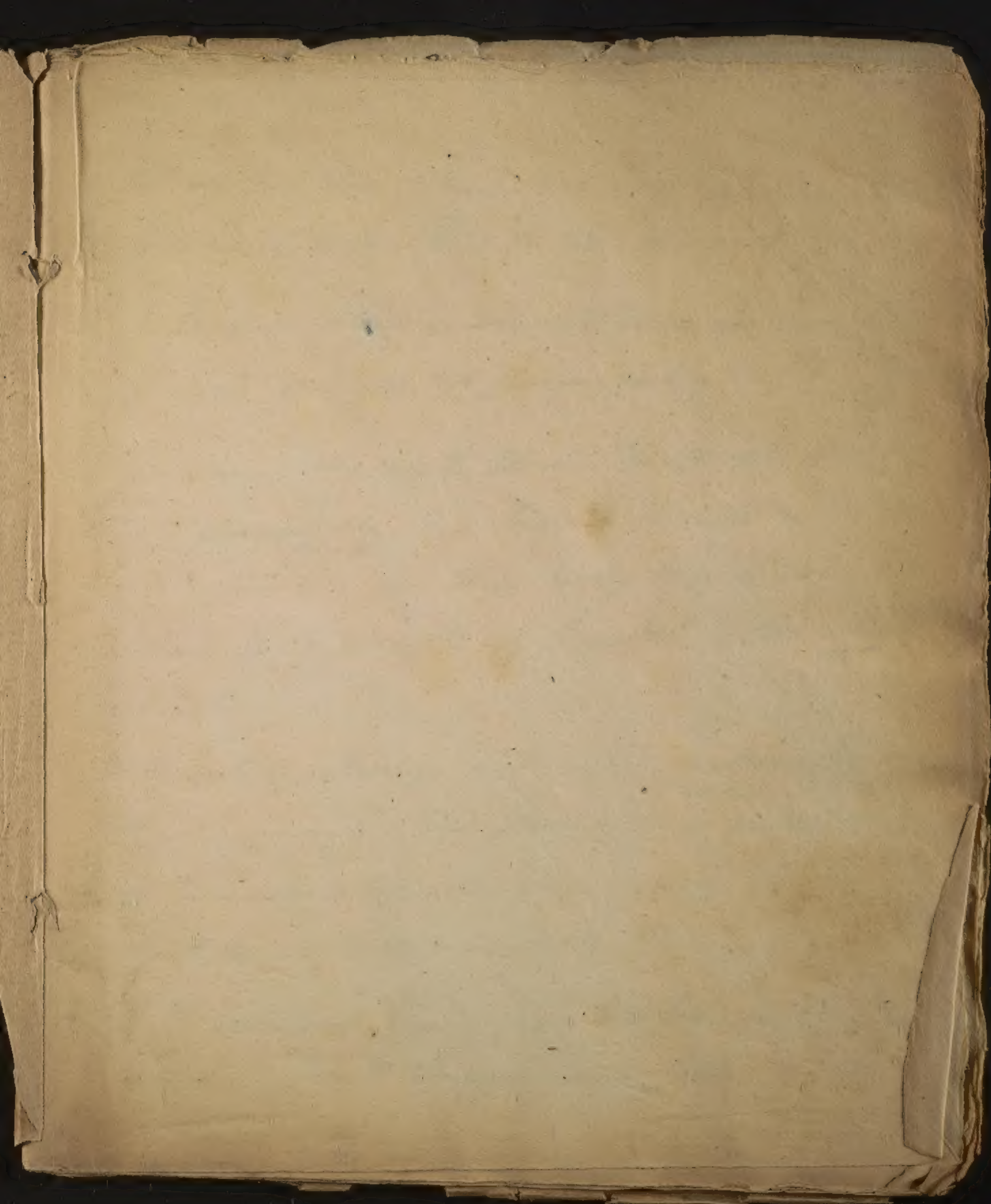
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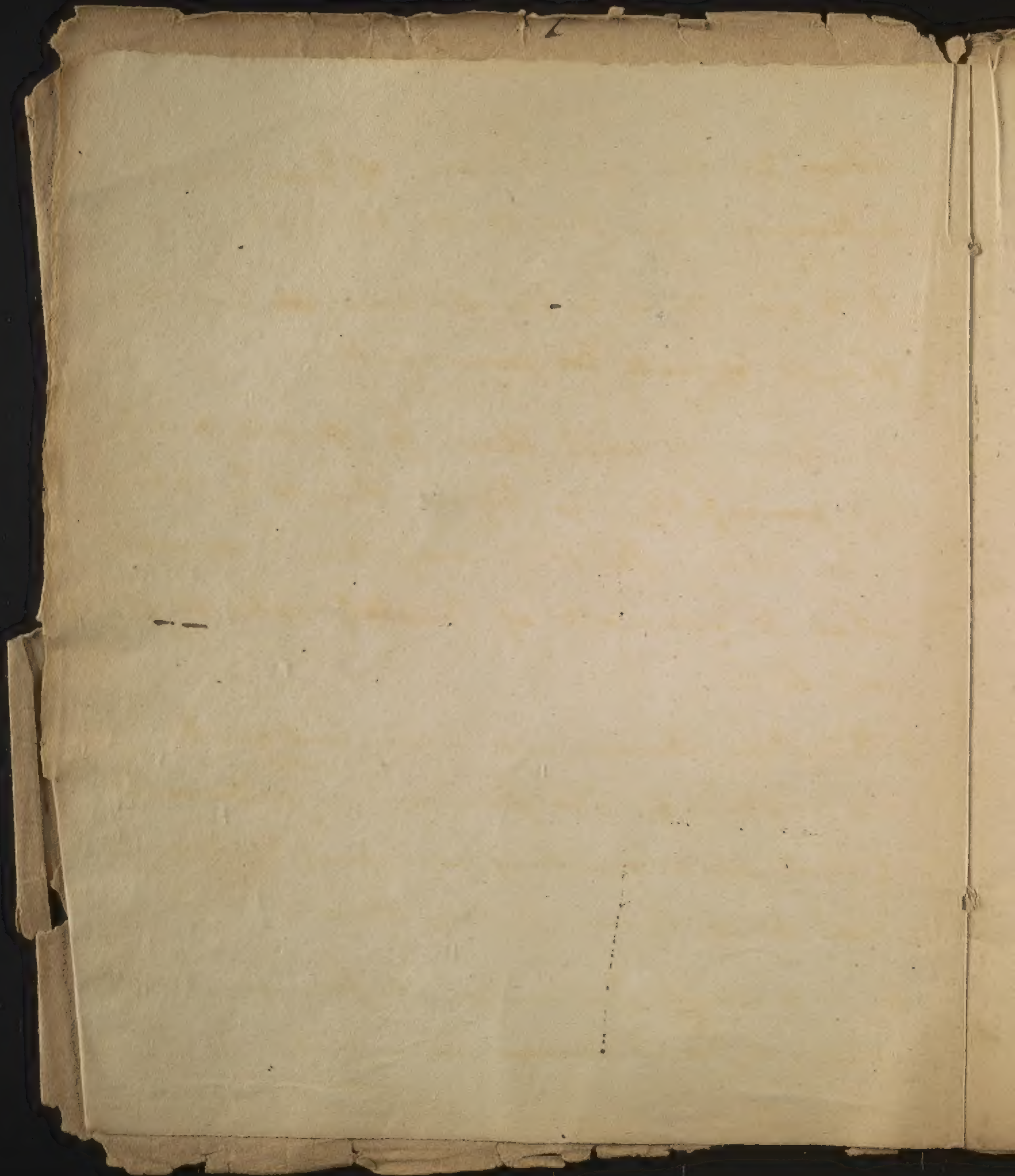
2

On Therapeutics

Done







1

m. 1848

They In the exhibition of Emetics the following rules should be observed.

1 To give them in divided doses, ~~and~~ but they should operate too powerfully.

2 When we wish them to operate spudily and powerfully, no liquid should be taken after them. In this way they become what Dr marriott of Bristol calls dry vomits.

3 Emetics always act most certainly in the morning. The stomach is ^{more} predisposed to sickness & vomiting in many diseases at that time, than at any other.

4 To prevent spasms in the stomach, a patient should always never be in a lying posture.

Upon the subject of Emetics, I
must add, that where they are
safe, and indicated, ^{should much more} we do ~~best~~ service
with them ~~than~~ by repeating them
every day, or two or three times
a week, than by a single dose in
the beginning of a Disease. Where
an accidental puking from Disease
~~or~~ or from any thing offensive taken
into the stomach, it generally continues
from one to three or four days. The
Emetics practice often continues after
the principles which introduced them
have ~~been~~ ^{passed} away. This is the case with
Emetics. They were given formerly
only to discharge morbid matters
from the stomach, & hence a single.

2

5 When an Emetic operates more than we wish, it may be checked, by a few drops of brandy: or a Spoonful of salt dissolved in a few ounces of water.

✓

Emetics are forbidden 1 In all cases of great Congestion in the head, and lungs.
2 In an inflammation of the stomach and bowels.

3 In the first stage of all highly inflammatory fevers.

4 In the advanced stage of pregnancy, & in persons subject to, or afflicted with ruptures.

5 In ~~cases~~ all cases of low Chronic fevers, & of general debility succeeding acute diseases.

+ Cold water acts in two ways. 1 by reducing ~~the~~ the excitement of the capillaries ~~the~~ ^{when} ~~by~~ when ~~excited~~, & 2 by exciting them by means of ^{this} ~~reaction~~ ^{reacting} so as to overcome the sedative effects of the water. ~~The Indian mode~~ ^{of} ~~hereafter~~. I ~~shall~~ ~~call~~ ~~these~~ ~~excited~~ ~~points~~.

V Much has been said of the associated actions of the stomach & capillary vessels.

It may be explained upon the principle of continued sympathy, for the ^{Esophagus} stomach, bowels ~~and~~ ^{and} ~~brain~~ skin are all enveloped in a membrane which renders them easily ~~in-~~ ⁱⁿ⁻ ~~ferrible~~ ^{ferrible} by the same stimuli. ~~It con-~~ ^{stitutes} the outward & inward surface of the body.

~~Improvements~~ When its excitement is divided, impressions on one part of it tend to equalize its ^{it} excitement.

^{are} ~~to~~ the capillaries ^{excited beyond the sweating point} ~~too highly excited~~? Impressions on the stomach abstract from that excitement, & thus open the ~~of~~ pores. Are they below the sweating point? Impressions on the stomach convey the excitement to there, & thus open the pores. ~~These~~

3
of Diaphoretics

They are such remedies as increase the discharge through the pores by heat or insensible perspiration. They consist

of such Remedies as act chiefly on the skin.
They are the pediluvium - ~~the bath~~ ^{heat} ~~the bath~~ ^{can}
applied by means of air - water - vapor - sand -
& clay to the whole body, - Acute applied to the lungs
by covering the head with a blanket - bottles and
bricks applied to the feet - cold Air & cold water
applied to the whole body, also cold ^{hot} water applied
in Succession to each other - and lastly rest and
exercise. I shall call them external Sweats. +
the process by means

exercise. I shall call them emmenagogue.
2 Such remedies as act upon the pores by means
of an action excited in the stomach. These act
by vomiting. They are inducing vomiting &
nausea. But there are medicines which open
the pores without sickening the stomach. These

use with Eupatorium &c &c in small doses.

I shall call them Stomach Harats

3 Such emetics as determine the fluids from the internal parts of the body to the skin, by acting chiefly upon the stomach & blood vessels. These are Vinegar

status
last is called diaphoretic the former inacess sympa-
-thy.

✓ the sweating point. They had this
effect in an enormous degree in the yellow
fever of the year 1793 - and hence 10,000
were often called not only a ~~fever~~ purging
but a sweating powder. Prings check sweats,
but it is only when the system is below
the sweating point.

A moisture upon the skin is often more
useful than sweats - Pringle says ~~that~~ ^{it}
this is remarkably the case in the close of
typhus or jail fever.

and spirits 4

Wine - The two make roots & Lamonville &

Century - ~~the~~ Dovers powders, & Eupatorium,
Stingula & meals

4 such Remedies as act by the stimulus of

Distention - these are diluting Drinks of all

kinds. — Diluting Sweats

5 Purgers. These act by reducing the system to

This Class of Remedies is indicated

1 in ~~cold~~ certain cases where a matter foreign
to the blood circulates with it. That ^{this is} ~~entire~~

Sometimes the case is evident from many facts.

The miasmata which produce the yellow fever

float in the blood for many days & perhaps weeks

but without mixing with it. Pus & even

hony matter are often diffused in like manner

in the blood, & eliminated from it ~~this the~~

^{by the} ~~Kidneys~~ Urinary excretion. The miasmata of

fevers tend more to escape from the pores

than this any other immunity before they

excite disease, hence they are ^{sometimes} ~~perceived~~ on the

discovered by their smell in the Sweats of persons
infected by them. I have seen a curious Md of

✓ The poison of several venomous animals
it is said is expelled from the blood by the
Indians wholly by Sudorific medicines.
~~Dr. Obichant~~ tells us that sweating

Medical facts by a Dr. Crofford in which he relates that one of his fellow students in Edinburgh was always cured of the Venereal disease by a spontaneous discharge of sweat. He once saw him he says soon after a venereal infection. He had a large chancre on his penis. ~~But~~ The Dr. advised him to take I-
~~but~~ his friend declined it, urging his constitution upon nature for a cure. Sometimes afterwards he saw him in perfect health. He said his disease had passed out of his system by his pores, and added that the shirt he ~~was~~ had worn during his sweats had become so brittle as not to bear washing without being torn to pieces. — V

The Remedies proper to discharge the fluids of diseases from the blood, should be taken from the ^{& viz external - stinging & diluting.} 1. 3. 4. Clapes. DeBlijphant informs us that sweating need of any other kind than

V I would remark here that as the
use of Diaphoretic med^s, was founded upon
the doctrines of morbid matter & Corruption,
they are ~~now~~ ^{now} resorted to since the ~~manifest~~
~~of~~ ^{of} fever has been discovered to be seated in
the ^{blood vessels} ~~solids~~ instead of the ~~solid~~ blood.

Diuretics always do harm in the fevers of
 game brown. They are happily calculated ^{erof} ~~and~~
 only to produce sweats by distention, but they
 blunt assimilation in the fluids.

2 Diaphoretic Remedies are proper in all fevers
 where the action of the blood vessels is so moderate
 as to forbid Bloodletting. They are indicated in
 a more especially vianner in fevers which have
 a centrifugal direction - such as the Gout &

Rheumatism when they affect the limbs. ✓

20 The 2. 3 & 4. Cases. Stimulus - Stimulus & Diluting -

3 They are indicated in all diseases of the bowels
 particularly Colic & Dysentery. The 1. 2. 4.

4 — In Dropsical swellings of the Anasarca
 kind. The Land Bath cured ~~the~~ a person on board
 Adm Dampier useful in his Voyage round
 the world.

5 In fevers in which a disposition to sweating
 is discovered by nature.

✓ a heat appeared on that part of his
body only which was ~~exposed~~ with cold
water.

7
The following rules should be attended to in
the ^{use} ~~exhibition~~ of Diaphoretic ^{Remedies} ~~medicines~~.
I shall divide these rules according as they are intended
~~to~~ ^{to} promote perspiration, or sweat.
To be used as in Great Pyrenaeum.

1 To promote perspiration lying in bed should
be recommended. We perspire more in 9 or
10 hours in bed ^{when awake} than in 15 out of it. Hence
the linen be worn next to the skin.

2 Meals subdivided into five or 6 in day. I
~~remembered~~ took notice of the effects of this prac-
-tice in increasing perspiration in a former
lecture. 2-3 ^{2 or 3 times in week} in week. Day.

3 ~~Professors~~ ^{I think} The Great Attention should be paid
to the heat of the body in all our attempts to
promote sweat. No permanent, salutary

sweat can be induced while the heat of the
body is above 108° . You saw this in Lawle's case.

4 The temperature of the drinks given to excite
sweats shd be regulated by the heat of the body.
They should be cold - when below it is above 108°
- warm when below 108° .

V There are cases in which they ~~should~~
~~be withheld~~. They are proper, as when they
are given to blunt, or evacuate acrimony
or to induce sweats by distention,
or poisons, but in case of ~~excess~~ redundant
fluids, from obstructed excretions they should be
withheld.

~~I Bladder~~ ~~is~~ ~~not~~ ~~more~~ ~~next~~ ~~to~~ ~~the~~ ~~skin~~ ~~is~~
~~one of the best modes of~~ ~~purging~~

5 In fevers - ~~the~~ ^{should be regulated by the} ~~sweats, to be effectual should~~
stage of the disease. In their forming states,
they often extinguish them, - when formed,
they do harm - if the fever be of a highly
inflamed nature.

6 Sweats should be suspended occasionally lest
we exhaust our patients too suddenly. Deple-
tion by the pores should require the same
caution as depletion by N & abstinence.

7 Great care should be taken to change the
linen & sheets or blankets when they are
impregnated with morbid sweats. They
soon become - a fresh remote & exciting
cause of febrile paroxysms.

8 ~~It is common to give diluting~~
~~thin or cordial drinks should be given to~~
support patients who are under the use
of sweating remedies, of any kind. But V

✓ I believe they do have in the typhus
state of fever. Sir Dr Pringle found this
to be case in the close of the hospital
fever. A ~~soft~~ death is frequently
accompanied with the sweats in the
close of this disease. A soft skin is
all that sh^d be looked for in it.

9 Uncommon care should be taken to prevent
this being suddenly ^{checked} by cold air. —

1 Diaphoretics are forbidden in all cases of great
inflamed action in the blood vessels & in cases of
weak morbid action as well as a state of debility
from exhausted excitement & excitability. —

2 They are forbidden when the weakness, without
affording any relief. —

I shall conclude by remarking that
this very popular remedy is unknown
among the brutes. They instinctively
resort to purges - vomits & even ~~the~~ bleeding,
but none of them ~~being~~ ever have
recourse to a sweating medicine. —

v liquor ferri & camell. The 3 last act more
certainly as a Remedy where they have been in
the habit of acting upon the kidneys in health.

Dr Whist mentions the case of a man in
whose the sound of a ~~low~~ bagpipe always
produced an inclination to make water.

It is possible many people may have a
very similar peculiarity in their constitutions
to certain sounds. ~~It is~~ when they are
known we should not fail to avail

ourselves of them to promote the secretion

excretion of Urine. Onions applied to
the ~~pubis of the~~ Discharge Urine especially
from children are External Discretis

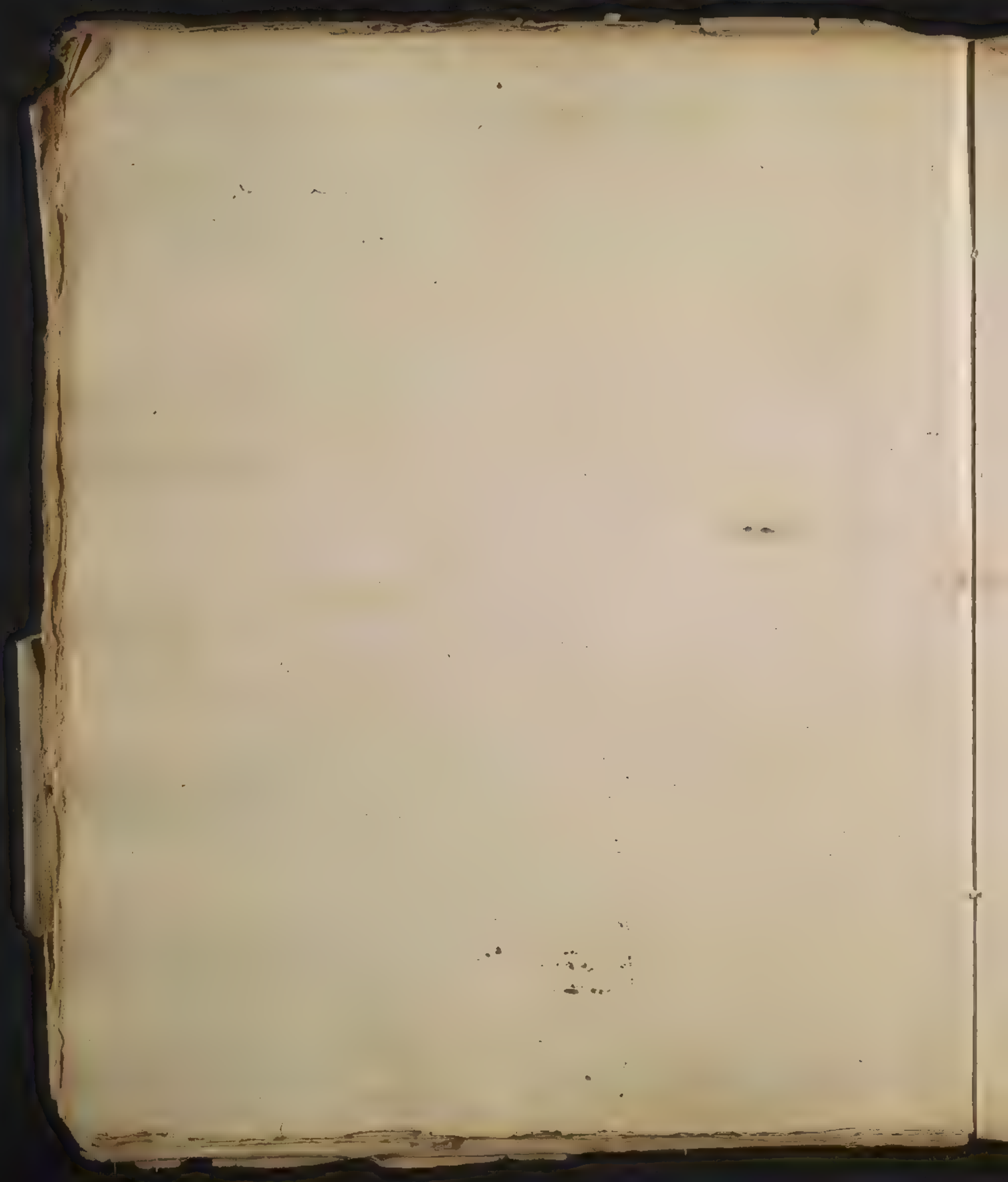
of Diuretics

They are the Remedies which produce a natural, or preternatural flow of Urine.

^{The} ~~They~~ former are indicated, when the Urine is obstructed; - the latter - when we wish to lessen the quantity of circulating serum, or to discharge acid or foreign matters from the blood system. - as Diuretics

They are 1: Cold air applied to the body when a little heated - Cold water applied to a part, or to the whole of the body - fear - abstinence - climbing a pair of stairs - descending into a cellar - the noise of a stream of water
2 Diluting Drinks - more especially such as are impregnated with substances said to act specifically upon the kidneys - such as barley-melon & wild carrot seeds &c. Onions -

^{Diluting Diuretics}
3 medicines which act upon the ^{perhaps} ~~stomach~~ ^{kidneys, by} ~~and~~ sympathy thro' the medium of the stomach, ~~and~~ ^{by} ~~and~~ directly upon the kidneys. - These are
sal Tart: Mineral of the vitriol salt ~~the vegetable~~ ~~Diuretics~~



acids - squills - Colchicum - & Serpentine &
Konglone - & preparations of Iron. ~~Stimulants~~ ^{Stimulants}
They are indicated

1 In Dropsy where the kidneys refuse to
perform their Office, and where an obstruction
of the function of Urine takes place without pain.
The 1st Class is proper here - especially rising in bed
according to the practice advised by Dr Sydenham.

2 They are indicated in dropical effusions of
all kinds where the pulse is ~~active~~ ^{or other symptoms} of disordered
marks of great morbid action. all the Classes
are proper here - The 1st ^{or external} should be preferred
until the system is prepared for the 2nd & 3rd.
Tea & Abstinence tho' simple in their nature
have often performed wonders in Dropsies as
I shall say hereafter.

3 In Dropsies of ~~moderate~~ ^{moderate} morbid action. The 3rd
especially given chiefly proper here.
They are forbidden in all cases where the kidneys
are affected with inflammation? - & chronic dropsy.

✓ This Sympathy, or association of Action
~~shows~~ between the Stomach & Lungs shows
 itself very plainly in the Cough, & is indicated
 Cough which is often excited in Children by
 worms in the Stomach. — The Lungs in like man-
 ner act on the Stomach — hence a Jerk often
 attends a Cough — hence perhaps the inflamⁿ of
 the Stomach ⁱⁿ of the yellow fever — from Action
~~not rec^d~~ but not felt by the Lungs — &
 conveyed to the Stomach. Happily this class
 of medicines is less necessary than formerly
 from the more liberal Use of the lancet
 in diseases of the Lungs. ^{3^{ly}} ^{foreign} But ~~they~~
 I believe upon the Lungs by inhaling

They are forbidden in all cases where the kidneys are affected with inflammation.

I have included Expectorants among the stimulants which indirectly act as sedatives ~~indirect sedatives~~ or medicines used to lessen morbid excitement, by evacuating certain matters from the body. They are employed to discharge mucus & phlegm - & from the Lungs. ~~They are of doubtful use~~ They act upon the lungs thro the medium of the Trachea ^{in passing into the stomach} ~~or by a con~~ ² thro the medium of the stomach in which where some of them act by exciting an action which ^{suspends or excites an action in the lungs.} V
 go to opposite p: 12 of

They are 1 Demulcents as flaxseed & brown tea, Barley water - Liquorice - Sugar - Honey, & Vapor alone, or impregnated with Vinegar - horse radish &c - & Seneka root.

a Vapor from the Stomach which insinuates itself into the Glottis, and thus stimulates the Lungs by coming in Contact with them.

Vol: Salt - Tar - Garlic. & Oil of Amber act in this way. ~~They~~ ^{It} ~~even~~ ^{is} ~~poured~~ ^{drawn} out of the mouth - ~~Time~~ ^{of} ~~the~~ ^{the} ~~remedy~~ ^{remedy} acts ~~by the~~ ^{partly} by revulsion, ~~partly~~ ^{partly}.

partly by ~~that~~ ^{inverse} sympathy which ~~arises~~ ^{by exciting} the Skin, lessens Action in the Lungs. - hence from a continuation of Sympathy, they are ~~most~~ ^{most} useful where there is Cough for the same pellicle which extends without expectation.

over every external part of the body as the alimentary Canal from the pharynx to the Rectum, extends likewise ^{this} ~~over~~ all the windings of the bronchial Vessels in the Lungs.

II Contiguous Uterus. It should be used only in a languid State of that Viscus. Emmenagoges should be different according to the Obstruction is acute, or chronic, or attended th with great, or subtle Action, or ~~trypor~~ in the Vessels of the Uterus. They may all be known by the State of the pulse, which I have observed to

2 Emetics & nauseating medicines, such as
Squills - Ipec. Tart Emet. & Ipec. -

3 Volatile salt - mustard whey - Tar - Garlic
Ointments ~~the~~ the ^{vapor} of Tar & Bran - & the Smoke
of Bess Wax & Rosin. - also Blisters by the last
They are indicated

1 In pneumonias - Catarrh & pulmonary
Consumption ^{& Asthma} with inflamed Lymphatics. nos. 1. 2.

2 In the same diseases, accompanied with
weak morbid action in the lungs. nos. 3.

Emmenagogues

I ~~have~~ have ~~not~~ introduced this class of
medicines into my Therapeutics in conformity
to custom, for I know of no medicine that acts spe-
cifically upon the Uterus in promoting the secretion
of menstrual blood. Much has been said of Madder
as a specific Emmenagogue, but I can say nothing
in its favor, from my own experience. Also
promotes the Menstruation by the stimulus it
imparts to the action being extended to the U

✓ They consists 1. of such things as act slowly
such as Spanish, & some other flies - ~~The application~~
~~to~~ of ~~hot water~~ to the ~~to~~ inner bank of
certain trees - ^{of} the roots of certain plants,
The Erisperis quality of this is said to reside in its wings.
2 ~~and of boiling water~~ of an application
such as this, annointed &
which acts suddenly - ~~hot~~ boiling water.
how applied. see Deftoch's letter.

= sympathize in a remarkable manner
with the Arteries of the Wound. In great morbid
excitement vs. purges & Abstinence are
the proper Remedies. In weak excitement,
or torpor of the Vessels - the Remedies should be
Chalybeates - exercise - and Enimany.

Blisters

This class of Remedies is ^{employed chiefly} ~~composed of~~ ~~to~~ ^{to} discharge ^{from} ~~the~~ ~~system~~ ~~and~~ ~~other~~ ~~parts~~ ~~of~~ ~~the~~ ~~body~~ ~~and~~ ~~to~~ ~~discharge~~ ~~from~~ ~~the~~ ~~blood~~, this the pores by inflaming the skin, and thus producing an effusion between the Cutis & Cuticula. ✓

They are indicated in general diseases of a moderate action in which cases they deplete from every part of the body. To do service - a great number of them must be applied at the same time.

^{The 1st proper}
2 In local congestions - in the head. breast - ~~stomach~~ ~~limbs~~ & joints. the 2^d -

3 In ~~acute~~ diseases in which congestions occur suddenly, and threaten ~~the~~ from their affecting vital parts - the sudden extinction of life. No 2. by a flannel -

The following rules sh^d. govern us in the use of this Class of Remedies.
1 To suffer the Blister to lie on the body till

V 4 In deep seated Diseases, it is of little consequence to what parts of the body Blisters are applied. Like us in similar cases, they deplete alike from nearly every part of the body.

They seldom ~~reach~~ ^{reach} in their effects ~~to such services~~ Diseases of the bowels, Stomach, Liver, or Spleen except when those parts adhere firmly to the external integuments of the body. Without this Adhesion, there is no sympathy from Contiguity, & in a common bent posture of the body, none from Contiguity. or head & neck -

5 ~~They are~~ In malignant fevers where there is a great tendency to gangrene, they should be applied to the thighs of the patient.

it produces a ~~prolonged~~ discharge, or in common
language till it rises, 1st be even for 24 hours.
but, it may be taken off in 4. 6. or 8 if it rises
within those hours.

- 2^d Blisters to the head - never rise - they discharge
from a gentle oozing. Blisters should not
be taken off from the head in less than 24
hours. ^{sometimes rise best, near root or}
the diseased part. see Ther. on pain.
much
- 3^d Blisters seldom ~~in~~ discharge ~~part~~ After
the 2nd ^{or 3rd} Dripping. It will be better (when
depletion is our principal object) to apply
fresh blisters than to keep old ones running
matter for 2 or 3 Days.

4th ^{near part} 6 Discharge should be loosened first -

- They are forbidden 1st in diseases of great mor-
bid action & 2^{ly} in diseases of weak morbid action.
There is a precise point of diseased action in which
they are only proper, ~~that~~ in general diseases. In
fevers without much local determination - that
point is in the typhoid state of the pulse. In


V ~~There are cases~~ where Blisters are
applied at what I have called the blistering
point, they discharge serum only. When
they are applied above ^{this point} ~~it~~ - they produce
a sore, which soon secretes pus - When
they are applied below it - they either
do not rise ^{at} ~~at~~ all - or they induce
gangrene. We sometimes see them discharge
serum ^{at} first - then pus - this is favourable,
as it shows the system to have risen to the
suppurative action. Again we see them
discharge serum, and then a blackish
scurry; this is unfavourable; as it ^{shows} ~~shows~~
the ^{system} ~~system~~ to have descended from the
blistering point to the gangrenous point.
There are Diseases I shall say hereafter which
require Blisters before the system descends to
the blistering point. Internal suppurations

Cases of great local Congestion - they may be applied in the Synchoid - Synochula - & even Synocha states of the pulse. ✓

3 They are forbidden in habits highly irritable, & in persons subject to suffer much from the Strangury sometimes induced by them.


4 They are forbidden, or should be used with great caution in pregnancy.

— are ^{often} ~~best~~ ^{with advantage} opposed by external suppuration, and these are best effected by Blisters when they are applied before the system descends to the point of serous effusion. In ~~the common~~ Dropsies ~~not inflamed~~ they do most service when they discharge serum only. ^{The sympathy of actions is of} ~~The source is of the efficacy of~~ great consequence in both these cases.

V all act - directly, or indirectly by equalising
excitement, and ~~thus~~ in this, ~~we have proved~~
the restoration of a diseased body to health
consists. -  See below.

+ = more issues - 1 because they produce
some irritation which produces a revulsion
effects action & 2 from the ^{increase} sympathy of the
Skin with the lungs - they ~~produce~~ ^{produce} excitement
of the skin, & forms excitement in $\frac{1}{7}$ lungs.
7 parts destined to important functions
as walking &c.

Additive

 I have thus mentioned the Remedies for
Disease in its open & sensible forms. -
~~when~~ Nearly all the same remedies
are required when Disease descends to
oppression, or suppressed excitement,
turning in . . .

30
Of Issues

This class of Remedies is intended to lessen the quantity of fluids in the body by discharging them in the form of pus from Artificial Issues. — They are ~~not~~ Issues properly so called - setons - and perpetual Blisters. ~~The~~

They are indicated 1 In all cases where a gradual Abstraction of redundant fluids is required - as in pulmonary Consumption ^{gout} & a tendency to Diseases of fulness in the brain. In these two Diseases I have preferred perpetual Blisters to ~~if~~ ^{cont.}

2 In local congestions - where danger arises from fulness & pressure upon parts essential to life.

3. In cutaneous humors - on exposed parts. or ~~or~~ ^{or}

After the system has become habituated to them, they should be ~~stop~~ ^{stop} healed with great caution & never without substituting some general, or local evacuation in their room.

With this we finish the 1st head of our Remedies, & the 5th of our Syllabus. & This

not
V It will be necessary to name all the
medicines which belong to these classes.
~~Every kingdom of nature has furnished~~
~~herewith~~ You will find them in DeCullen,
or rather from the Professor of
"Anat. medica. They are derived as you will
see from the vegetable ^{mineral} & animal kingdoms
from air and waters - ^{from the poisons,} and from a hundred
of the Arts of the man. I shall occasionally
~~mentionable.~~ mention a few of the most powerful &
useful of them, and mention likewise some
of ³ subdivisions.

— But they require a different mode
of application. They must be applied
gradually, - This will be necessary for two
reasons 1st to ascertain whether the system
be oppressed, or prostrated; - if prostrated,
the less Stimulus we abstract, the less
we injure the system - and if ~~oppressed~~

34 All which
of Stimulating Remedies

These Remedies have been subdivided into many
Classes. I shall divide them into 2 - viz ^{but} Stimulants
properly so called - by which I mean
such medicines as are given in a diseased state
of the body for the purposes formerly mentioned
of reducing the system by depletion, or for exciting
in ways Actions to be mentioned hereafter. by ^{2 Tonics} ~~2 Stimulants~~
by which I mean. Medicines intended to ~~improve~~ ^{act upon}
~~the~~ ^{the} ~~strength to the body~~ predisposing, or subsequent
debility of diseases. ^V ~~I need not repeat to~~
~~you that they both act by~~ ^{the former} ~~I need not repeat~~
~~to you that they both act by converting excitab.~~
into excitement, when they ~~can~~ cure diseases
without abstracting any portion of fluids
from the body. ^{But in the reverse.}
It will be sufficient here barely to
~~say that it is necessary that I should repeat~~
~~that different Stimulants act differently~~

As we prevent the two hidden, or
convulsive ~~and~~ resuscitation of excite-
ment. & I shall say hereafter Stimulants
should be ~~get~~ applied gradually. The
same advantages attend the gradual
Abstraction of Stimuli. This principle
will be illustrated in many of the Diseases
^{as} we are to be treated of in the practice of
Physic. I have said nearly all the Axioms
are proper in the suppressed State of the
System that are proper in open & sensible
~~& insensible~~ morbid excitement.
Cold water is always improper when there
is an Absence of heat which is often
the case in suffocated excitement. Eg
cold feet & even Chills in yellow fever.
cured only by W. sponges. ~~etc. etc. etc.~~

~~etc. etc. etc.~~

~~The~~ I cannot dismiss this class
of Medicines

upon different parts of the body. E.g. Bitters ^{certains}
 and act ^{chiefly} on the stomach - astringents on the
 bowels - Bark on the blood vessels - mercury
 on lymphatic glands - and ~~Opium~~ ^{lead} oil of
 amber on the muscles - Asafetida on the
 nerves - and wine & Opium upon ~~all~~ every
 movable fibre in the body.

I shall first take notice of
~~I exclude from the class of Remedies now~~
~~under consideration~~ ~~all~~ those stimulants which
 destroy morbid action by their exciting force.
 They have been improperly called sedatives.
 They act by destroying the irritability of the
 blood vessels and ^{muscular} ~~system~~ system. ~~Digitalis~~
^{also Digitalis} - alkalies according to Dr. Ferri-
 - ~~phacis~~ ^{phacis} ~~also~~ ^{also} Lead, & several of the poisonous plants
 lately introduced into medicine, act in this
 way. Their operation is analogous to that
 of veratrum when they produce malignant
 fever, or when they ~~depress~~ ^{paralyze} the system below

✓ In Hemorrhages and Epilepsy the sacifications:
have sometimes proved useful where depleting
remedies have been used to no purpose, in ~~the~~
lessening the irritability of the Arterial & nervous
systems.

==. Without suggesting to you, their
great importance in medicine. This will
appear when we attend to the different issues
the operations of nature ~~of the physicians who~~
~~of nature and least last but science the~~
follow her, and
operations of science in the treatment of
acute diseases.
~~these~~. Where the diseases which require
sedatives or depletion, are left to the care
of nature ^{and by votaries,} ~~the loss depends~~ the excitab^l
of the system ^{is expended} without reducing its

The cases in which
the point of reaction. ~~These remedies are~~

These remedies are proper are but few, the
Direct sedatives ~~are~~ should generally be preferred to
them. ~~They are~~ even where they disorg
the system, they seldom cure, without the
Subsequent aid of stimulating & tonic remedies.

- ~~However all the history~~ the consumption?
Dropsy when relieved by ^{Opium, or} Digitalis have generally
returned where this ^{has} not been the case, in
the course of a few weeks or months. ✓

Again ~~of course~~ ^{rather} There is ~~no~~ ^a need of using
~~for sedative~~ ^{are} sometimes given
stimulants on which it is ~~invariably~~
upon me to decide before I proceed any further,
and that is to exhibit ~~strong~~ in such an
manner as to reduce great morbid ex-
-citement ^{by} ~~by~~ ^{wasting the} ~~by dissipating~~ Stimulants have
act like exercise & labor. They waste the

excitement by fruitless morbid actions, ~~and~~
which leave ~~the~~ ^{the} body in a ~~stricken~~ ^{stricken} state
~~and~~ ^{and} ~~leave~~ ^{leave} the body in a ~~stricken~~ ^{stricken} state

or full of ~~obstructions~~ ^{obstructions}. In these
cases, - ~~medicines~~ ^{stimulants} can do nothing, - for
they have no excitability to act upon,
^{not only} hence the origin, but the mortality
of chronic Diseases. Very different is the
issue of the acute Diseases where depletion
or relative remedies have been ~~used~~ ^{employed}.

They reduce excitement - they prevent
effusions & obstructions - and they ^{accumulate} ~~retain~~
up a stock of the ~~the~~ ^{the} excitability of the system, as to enable
the stimulants ^{by acting immediately upon it, to} ~~relieve~~ ^{remove} the
debility, ~~and~~ ^{and} ~~depleting~~ ^{depleting} remedies which

the predisposition, or the depleting remedies
had left upon the system. I am ^{not} sure
that Dr Sydenham understood this
principle in the ~~case~~ ^{case} when he used
the use of depleting ~~remedies~~ ^{remedies} in all

Dr. W. Darwin calls ³⁴ the
excitability of the system in an accelerated
manner, ~~and~~ ^{for example} - Frictions have
cured a violent inflammation - hard labor
~~was~~ tonic madness - and the hot & cold baths in
eruption (after the Indian manner) ^{have cured} - an acute
fever of great morbid action. These remedies always
do violence to the constitution, & are never safe
where the blood vessels are affected, in common habits.
They are ⁱⁿ to a violent fever, ^{like} ~~what~~ breaking
the hinges of ~~open~~ a door is ^{instead} ~~compared with~~ ^{an}
turning a key, in order to open it. ~~So there~~
~~are however some diseases~~ Depleting remedies ^{for}?
be preferred to them, as more safe, & certain, tho'
less rapid in their operation. There are however
instances of diseases which are unremoved beyond
the influence of depletion. The Tetanus in one
of them. Here ~~stimuli~~ Opium - Wine - Spts.
& Bark perform a cure by prostrating the
excitement, and expending the excitability of the

✓ They are most safe in ~~non~~ muscular Diseases, for
~~in them the blood vessels are generally free of disease &~~
again these are Diseases which yield
alike to depletion & stimulating Remedies.
These are generally the moderate grades
of Bilious fever. They are often cured with
equal certainty by ~~vs~~ purges & by large doses
of Bark. — They are safe too in ~~all~~ acute

Diseases of Centrifugal direction as Rheumatism
Agut.

— violent or acute Diseases, but I am
sure he ~~had not~~ ^{followed} the practice founded
upon it, - hence we observe - he ^{scarcely} ~~never~~
^{ever} prescribes a stimulating or tonic med:
without preparing the body for it by
bleeding or a purge. The excitⁿ of
the system was thus accumulated,
by which means
~~and~~ his stimulating & tonic medicines
~~then~~ acted with certainty - force &

Success. — Return to p 31. ~~if~~
there being in the ~~body~~ ^{four} or five ways
as mouth - nose - lungs - bowels & skin in ^{the} sedatives are

~~System~~ muscular system. ✓

There has been a good deal of difficulty, and some controversy, in determining when to begin the use of Stimulating Remedies. ~~of~~. I mentioned this formerly. The stage of the disease, and the previous exhibition of depleting remedies should always be taken into consideration. But over-zeal should be placed chiefly upon the effects they produce upon the body. ~~and more especially the pulse~~. If they create Disordering heat - or pain - ^{or a flush} fulness in the head - breast, or bowels, ~~it~~ and above all, if they bring on greater ~~quickness~~ frequency, with weakness in the pulse, it is a sign they have been ^{given} ~~given~~ prematurely, and it will be necessary to refrain from their further use. If on the contrary, they ^{produce} ~~have~~ none of the above effects, and ~~chiefly~~ ^{chiefly} if they impart ~~vigor to the system~~ fulness & shewness ~~they are~~ to the pulse, they are perfectly safe,

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they are alike proper in the
~~I have hitherto spoken of stimulants~~
~~injection of the system~~

✓ sometimes giving it by Annus does good.

✓ I acknowledge this rule is applied chiefly
to diseases in which the Arterial System
is affected. In diseases of the other systems,
we are often left without any guide to
determine upon the dose of stimulation
the part to which it sh^d be applied. ~~Could~~ ^{The}
~~discovery of~~ ^{an instrument to measure the quantity}
^{or grades, & seats of excitability in the different}
systems of the body, would deserve more from
the world, ~~than~~ ^{than} the discovery of the solar system,
~~Did I know~~ ^{gladly would I embrace}
the feet of such a benefactor to mankind.
~~and~~ But until such a discovery can be
made we must rely as I said formerly
upon ~~former~~ ^{our} experience from the resemblance
of diseases, & upon actual experiment in

and may be continued with very probable
expectation of Advantage. ^{Some of} you saw this in
mesenger case in typhus pulse ^{consumption in 1805}

~~we shall now~~ we shall now to mention the

manner in which Stimulants should be

given when they are ^{not} intended to act directly

upon the system, ~~this leads us to the 6th~~

~~article in our syllabus which includes~~

~~these stimulants~~ This is an important

part of our course, & requires the closest

attention. go to p: 16 of Old Lecture 20.

This leads us to ^{the} 6th article in

our syllabus. viz to consider the med.

which ^{destroy morbid action at once & generally on} remove morbid action by exciting

^{the} a stronger, or less diseased action in ^{other}

^{affected} diseased part, or in some part of the

body. These are med are direct
stimuli. The following directions ~~are~~
to be followed for this purpose.

the exhibition of stimulants. We may
 thus find out both the appropriate dose
 & the appropriate place to apply ^{it} ~~these~~. Some
 of you saw the effects of my ignorance of
 the state of excitⁿ in J. White at the
 hospital a few days ago Jan^y 1808. I gave
 him 30 drops of Laud. at bedtime to com-
 -pose a cough which ~~he~~ followed a man-
 -morning. It ~~excited~~ not only kept him
 awake, but excited his system so much
 as to render it necessary next day. Ten
 drops would probably have induced sleep,
 and relieved him afterwards. ^{In the night} ~~within these~~
~~few days~~ ^{of 11th} Jan^y 1808 I ^{was} ~~have~~ been more
 successful in ^{accommodating} ~~discovering~~ a stimulant
 to the ~~list of~~ ^{state} & grade of excitⁿ.
~~After taking a lady their days were~~

I was called to a ³⁹ lady with an inflamed
~~calic & portion~~ of the bowels, attended with
~~severe~~ ~~visited~~ ~~a~~
exquisite pain & constant sickness ~~and~~
vomiting. I bled her 3 ~~times~~ ^{times}, & thus reduced
her pulse, but the pain continued. Laud:
was now indicated, but such ~~as~~ was the
irritab^l & excitab^l of her stomach, & so
discharging were the sickness & puking that I
believe 10 drops of it would have convulsed
her or perhaps destroyed her life. She could
bear nothing upon it but cold water & that but
a temporary relief at a time. In this state of
her ~~unhappy~~ patient I ~~gave~~ ^{directed} ^{to be given} by way of
clyster. Happily the ~~low~~ bowels were in
a ^{very} ~~natural~~ ^{irritated} state of excitab^l and that to
such a degree as to bear 150 drops of Laud:
in 3 successive injections which relieved
her pain, and thus completed her recovery.

^{return to p 36}
~~There is another note in the~~

exhibition of Stimulants, which deserves
our Attention, and that is



